

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

**San Angelo, TX**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

YEAR

**October**

**2010**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

**November 15, 2010**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

October was dry during much of the month across the San Angelo hydrologic service area (HSA). High pressure systems occupied the region and limited rainfall. A few weak fronts pushed through the area but with mostly dry air in place over the HSA, little rainfall was produced. The only significant event that brought heavy rain to the region occurred early on the 23<sup>rd</sup> of the month. An upper level disturbance from northern Mexico approached the area and interacted with a dryline to produce thunderstorms and isolated heavy rain showers. Scattered areas from northern Crockett County to San Angelo to Putnam received two to four inches of rain. Another area of scattered heavy rainfall (1.5 to 3 inches) occurred from eastern Nolan County to Albany. There was flash flooding in San Angelo as over two inches of rain fell in less than an hour over parts of the city.

By the end of October, the U.S. Drought Monitor depicted moderate drought conditions across portions of Crockett, Sutton, Schleicher and Kimble Counties. Abnormally dry conditions were shown across Irion, Mason, Menard, Concho, McCulloch and San Saba Counties.

The average precipitation reported from coop observers in October was 0.95 of an inch. The highest monthly precipitation total of 2.71 inches was reported in Callahan County. Coop observers in Callahan, Shackelford and Tom Green Counties received over two inches of rain in October.

The San Angelo Regional Airport received 2.51 inches of precipitation during October, which was 0.06 of an inch below normal for the month. The monthly normal rainfall for San Angelo in October is 2.57 inches.

The Abilene Regional Airport received 1.52 inches of precipitation during October, which was 1.38 inches below normal for the month. The monthly normal rainfall for Abilene in October is 2.90 inches.

Junction received 0.07 of an inch of rain during October. The estimated average monthly rainfall in October is about 2.75 inches.

**Coop Observer Rainfall Totals for October, 2010:**

<b>Station Name</b>	<b>Amount (in)</b>		<b>Station Name</b>	<b>Amount (in)</b>
Abilene 2	1.39		Menard	0.15
Acton Ranch	0.00		Merkel 12SW	1.55
Albany	2.02		Mertzon 12NNW	0.89
Anson	0.94		Ozona 22SE	0.11
Ballinger 2NW	1.62		Paint Rock	1.76
Brady	0.09		Putnam	2.71
Brownwood	0.62		Red Bluff Crossing	0.21
Burkett	1.40		Robert Lee	0.83
Coleman	1.48		Rotan	0.39
Concho Park	0.78		San Angelo WFO	2.48
Eden	0.40		San Saba 7NW	0.12
Eldorado	0.56		Silver Valley	2.48
Eldorado 10W	0.80		Stamford	0.52
Fort Griffin	1.58		Sterling City	1.13
Fort McKavett	0.42		Taylor Ranch	0.04
Glen Cove 2NE	1.93		Throckmorton 7NE	1.19
Hamlin	0.38		Water Valley	0.88
Haskell	0.23		Water Valley 11NE	0.65
Hords Creek	1.60		Winters 1NE	1.01
Humble Pump	0.35		Woodson	1.34
Junction 4SSW	0.07		(M) <i>Missing data</i>	
Mason	0.03		(T) <i>Trace</i>	

**Reservoir Conditions (end of October, 2010)**

<b>Reservoir</b>	<b>Conservation Capacity (Ac-Ft)</b>	<b>End of Month Capacity (Ac-Ft)</b>	<b>Percent of Capacity (%)</b>
Fort Phantom Hill	70,030	62,940	90
Lake Stamford	52,700	52,700	100
Hubbard Creek Lake	317,800	208,350	66
Hords Creek Lake	8,800	3,010	37
Lake Brownwood	131,428	84,320	64
E.V. Spence	488,760	19,840	4
O.C. Fisher	119,200	2,300	2
O.H. Ivie	554,340	191,700	35
Twin Buttes	177,800	34,500	19

**Hydro Products Issued**

FFW = 3

FFS = 3

FLS = 10 (Urban/Small Stream Advisory)

ESF = 2

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for October across the San Angelo HSA is depicted below.

